

السنة الأولى – الفصل الصيفي
مادة علم الأنسجة العام
General Histology
(2) Credit Hours
0502111
السنة الثانية – الفصل الأول

- (2) Credit hours: (1) Credit hour theoretical knowledge (16 lectures)
(1) Credit hour practical skills (16 practical sessions)

This course covers, how to use the microscope, the microscopic structure of the cell, cell division and the basic tissue of the human body including, epithelial tissue, connective tissue, muscular and nervous tissue.

| 16 Lectures | No. Lecture | No. Practical |
|---------------------|--------------------|----------------------|
| - Introduction | 1 | 1 |
| - Microscopic Tech. | | |
| - Cell | 3 | 3 |
| - Epithelium | 3 | 3 |
| - Connective Tissue | 3 | 3 |
| - Cartilage | 1 | 1 |
| - Bone | 1 | 1 |
| - Blood | 1 | 1 |
| - Muscle | 1 | 1 |
| - Nervous Tissue | 2 | 2 |

Objectives:

- Name and describe the main parts of the cell
- Describe the structure and functions of the plasma membrane, cytoplasm, cytosol, organelles and the nucleus
- Outline the sequence of events involved in protein synthesis
- Discuss the stages, events and significance of somatic cell division
- Describe the characteristics of the four basic types of tissue that make up the human body
- Discuss the general features of epithelial tissue and the structure, location and function of the various types of epithelia
- Describe the general features of connective tissue and the structure, location and function the various types of connective tissues
- Describe the general features of muscle tissue and contrast the structure location and mode of control of the three types of muscle tissue
- Describe the structural features and function of nervous tissue.

Textbooks:

- 1- Color textbook of Histology
Leslie Qartner and James Hiatt 3rd edition 2001
- 2- Basic Histology Junqueira et al 9th edition, publisher Appleton & lange